

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (703) 746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

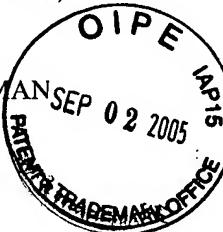
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

000110 7590 06/28/2005

DANN, DORFMAN, HERRELL & SKILLMAN  
1601 MARKET STREET  
SUITE 2400  
PHILADELPHIA, PA 19103-2307

09/06/2005 SSITHIB2 00000078 10646678

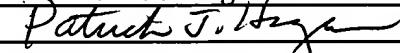
01 FC:1501 1400.00 OP  
02 FC:1504 300.00 OP  
03 FC:8001 30.00 OP



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

### Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Patrick J. Hagan	(Depositor's name)
	(Signature)
August 30, 2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,678	08/22/2003	Peter Wilding	1070-PENN-E890-CONS	1013

TITLE OF INVENTION: MESOSCALE DETECTION STRUCTURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	09/28/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHIN, CHRISTOPHER L	1641	435-287100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.	Dann, Dörfman, Herrell & Skillman, P.C.
<input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.		1
<input checked="" type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required.		2
		3

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The Trustees of the University  
of Pennsylvania

Philadelphia, Pennsylvania

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies 10

4b. Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1406 (enclose an extra copy of this form).

**5. Change in Entity Status (from status indicated above)**

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Patrick J. Hagan

Date August 30, 2005

Typed or printed name Patrick J. Hagan

Registration No. 27,643

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



## FEE TRANSMITTAL

Total Amt of Payment (1) + (2) + (3) = 1730

Application Number: 10/646,678

Filing Date: August 22, 2003

First Named Inventor: Peter Wilding et al.

Title: Mesoscale Detection Structures

Attorney Docket Number: 1070-PENN-E890-CON5

### METHOD OF PAYMENT (check one)

Authorization is hereby granted to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 04-1406.

Any filing fees under 37 C.F.R. §1.16 for the presentation of extra claims.

Any patent application processing fees under 37 C.F.R. §1.17

Any extensions of time that are required to maintain this application in a pending status, if not included herewith, are hereby requested. Authorization is hereby granted to charge such extension fees to Deposit Account No. 04-1406. Two copies of this transmittal are enclosed for accounting purposes.

Payment enclosed: \$ 1730.00

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH AND EXAM. FEES

	Filing	Search	Exam	Fee
Utility	0	0	0	\$0
Design				\$0
Plant				
Reissue				
	<b>SUBTOTAL (1)</b>			\$0

#### 3. ADDITIONAL FEES

Fee Description	Fee Paid
Surcharge-late filing fee or oath	
Application Size Fee	
For filing a request for reexamination	
Extension for response within one month	
Extension for response within second month	
Extension for response within third month	
Extension for response within fourth month	
Notice of Appeal	
Filing a brief in support of an appeal	
Request for oral hearing	
Petition to revive unintentionally abandoned	
Issue Fee	1400
Advance Orders	30
Publication Fee	300
Petitions to the Commissioner	
Petitions related to provisional applications	
Submission of Information Disclosure Statement	
Recording each patent assignment per property	
Other fee (specify) _____	

#### 2. Claims Fees

# of Claims - Paid	Extra Claims	Fee/Claim	Fee
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<b>SUBTOTAL (3)</b>	\$1,730
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Total Claims	- 20 = (a)	0	25	\$0
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Indep Claims	- 3 = (b)	0	100	\$0
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Multiple Dependent Claim Fee

(a) Enter 20 or number previously paid for  
(b) Enter 3 or number previously paid for

<b>SUBTOTAL (2)</b>	\$0
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Submitted By: Patrick J. Hagan Reg. Number 27,643

Signature Patrick J. Hagan Date August 30, 2005 Deposit Account User ID 04-1406



DANN, DORFMAN, HERRELL AND SKILLMAN  
A PROFESSIONAL CORPORATION

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PHONE (215) 563-4100 • FAX (215) 563-4044

August 30, 2005

Last Name of First Named Inventor:  
**Peter Wilding et al.**

**BOX ISSUE FEE**

Application No. 10/646,678

**Allowed:** June 28, 2005

Atty. Docket No. 1070-PENN-E890-CON5

Filed: August 22, 2003

**CONFIRMATION NO.:** 1013

For: Mesoscale Detection Structures

**Certification of Mailing Under 37 CFR §1.8(a)**

I hereby certify that this correspondence is being deposited on August 30, 2005 with the United States Postal Service as first class mail in an envelope addressed to COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450.

Caren Burgoon  
Caren Burgoon

TO THE COMMISSIONER FOR PATENTS:

**SUBMISSION OF ISSUE FEE**

The above-identified application has been allowed. In response to the Notice of Allowability dated June 28, 2005, enclosed are the following:

1. A copy of form PTOL-85B with authorization to charge Deposit Account No. 04-1406.
2. Check in the amount of \$1,730.00, in payment of the issue fee and the cost of ten (10) advance copies.
3. Notification of Fee Address.

Respectfully submitted,

DANN, DORFMAN, HERRELL AND SKILLMAN  
A Professional Corporation

Attorneys for Applicant  
By Patrick J. Hagan  
Patrick J. Hagan  
PTO Registration No. 27,643